

Step 3: Deploy the Network stack

Install the Network CloudFormation stack in the **hub account**.

How to Install this Stack

1. Login to the AWS Management Console using the **Hub Account**.
2. Navigate to the **CloudFormation** page.
3. Click **Create Stack** and select **With new resources (standard)**.
4. For Template Source, select **Amazon S3 URL** and enter the CloudFormation Template URL shown below and click **Next**.
5. On the **Specify Stack** page, enter the stack name '**SandboxStudio-Network**' and use the parameters shown below.

CloudFormation Template URL

```
https://sandbox-studio-software-dist.s3.amazonaws.com/versions/<VERSION>/SandboxStudio-Network.template.json
```

For more information on how to find the latest version, [click here](#).

Parameters

Key	What to enter
Namespace	Use the same namespace you used in step 1.

About this Stack

Purpose

- Creates the **VPC** foundation required by the application.
- Provides **private subnets** for the database and **private subnets with egress** for Lambda functions that require outbound access.

Where to deploy

- **Hub account**.

What it creates

- One VPC with multiple subnets (at minimum: private subnets for RDS and for VPC-attached Lambdas).
- Route configuration to allow **egress** from private subnets (for example, via NAT or suitable endpoints).
- **VPC endpoints** for AWS services that support private routing.
- **Internet Gateway** and **NAT Gateway** for AWS services that do not support private routing.

Validation checks

- VPC and subnets are visible in the **VPC** console.
- Private subnets have no direct internet ingress and can reach required AWS endpoints for the application.

Tips

- Adjust VPC after installation to suit your needs such as routing through enterprise firewalls if needed.

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